

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

APPENDIX

Marked-Up Copies of the Amended Claims:

3. (Amended) A deflection controlled roll in accordance with claim 1 [or claim 2], characterized in that the bearing sleeve (22) is also radially supported at the carrier (14) transversely to the pressing plane via the guide means (26).

4. (Amended) A deflection controlled roll in accordance [with any one of the preceding claims] claim 1, characterized in that the guide means (26) include at least one guide member (26') rotatably mounted in the bearing sleeve (22) or the carrier (14) about an axis (Y) perpendicular to the pressing plane, said guide member sliding as a follower in a guide (26'') provided at the carrier (14) or at the bearing sleeve (22) and being displaceably guided by this essentially parallel to the pressing plane perpendicular to the roll axis X.

6. (Amended) A deflection controlled roll in accordance with claim 4 [or claim 5], characterized in that the guide (26'') cooperating with a respective guide member (26') is formed at a counter plate (28) secured to the carrier (14) or to the bearing sleeve.

7. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the guide member (26') is formed by a flange with a collar or the like.

8. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the roll jacket (12) is axially fixed to the carrier (14) at the axial end at the drive side via the guide means (26) associated with a

relevant bearing housing (24).

9. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the roll jacket (12) is supported radially at the other axial end, preferably at the guide side, at the carrier (14) transversely to the pressing force plane via the axial bearing sleeve (22) of a relevant bearing housing (24), but is axially displaceable relative to it.

12. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that at least one piston in cylinder arrangement (34) acting generally in the pressing plane perpendicular to the roll axis (X) is provided radially between the bearing sleeve (22) of a respect bearing housing (24) and the carrier (14).

14. (Amended) A deflection controlled roll in accordance with claim 12 [or claim 13], characterized in that the piston in cylinder arrangement (34) is provided to relieve the roll jacket (12) from the weight forces acting outside the working width of the roll jacket (12) and/or to load or to relieve the respective jacket end in order to influence the pressing force distribution in the press nip by controlled pressure medium loading and/or to fix the roll jacket (12) in place in a position raised from a counter roll by shutting off the pressure medium backflow from the piston in cylinder arrangement (34).

15. (Amended) A deflection controlled roll in accordance with [any one of the

preceding claims] claim 1, characterized in that the bearing sleeve (22) of a respective bearing housing (24) is provided in the region of a carrier spigot (14') narrowed with respect to the axially central region of the carrier (14).

17. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the piston (34') of the piston in cylinder arrangement (34) acting on the bearing sleeve (22) comprises a relief chamber (36) fed with pressure fluid at its side confronting the bearing sleeve (22).

19. (Amended) A deflection controlled roll in accordance with claim 17 [or claim 18], characterized in that the feeding of the relief chamber (36) takes place via the pressure chamber (42) of the piston in cylinder arrangement (34) and through the piston (34').

20. (Amended) A deflection controlled roll in accordance with claim 17 [or claim 18], characterized in that the feeding of the relief chamber (36) takes place from the side of the bearing sleeve (22).

21. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the piston (34') of the piston in cylinder arrangement (34) directly contacts the inner side of the bearing sleeve (22).

22. (Amended) A deflection controlled roll in accordance with [any one of claims 1 to 20] claim 1, characterized in that the piston (34') of the piston in cylinder arrangement

(34) contacts a shallow side of an intermediate member (38) arranged between the carrier (14) and the bearing sleeve (22).

23. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that at least one axial end of the roll jacket (12) or the axial continuation (12') associated with this is rotatably mounted at the bearing sleeve (22) by two axially spaced apart bearings (20).

25. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that it is made as a single-zone roll, i.e. at least the support members (18) can be loaded with the same pressure.

26. (Amended) A deflection controlled roll in accordance with [any one of claims 1 to 24] claim 1, characterized in that it is made as a multi-zone roll, i.e. at least some of the support members (18) can be loaded with different pressures.

27. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the axial end of the roll jacket (12) at the drive side or the axial continuation (12') associated with it outwardly radially carries a gear ring (48) serving for the roll drive.

28. (Amended) A deflection controlled roll in accordance with [any one of the preceding claims] claim 1, characterized in that the axial centers of the gear ring (48), of the bearing arrangement (20) rotatably holding the roll jacket (12) at the bearing housing (24),

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	